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(12) **United States Patent**
Willner et al.

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(54) **METHOD AND APPARATUS FOR USING
 PHYSICAL CHARACTERISTIC DATA
 COLLECTED FROM TWO OR MORE
 SUBJECTS**

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(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 22 days.

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(57) **ABSTRACT**

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(51) **Int. Cl.**⁷ **G06F 15/00**; G01D 1/00

(52) **U.S. Cl.** **702/127**; 702/182

(58) **Field of Search** 702/81, 127, 128, 702/130, 136, 182, 186; 600/300, 301, 310, 481; 128/903, 870; 434/257–259; 723/9–10, 14, 16; 705/1, 80

A system, method, apparatus, and computer program code for using physical characteristic information obtained from two or more subjects to help evaluate subjects or to determine a course of action to take with the subjects includes receiving data indicative of one or more physical characteristics from two or more subjects, determining an evaluation of the data, and providing a notification to a device of the evaluation. A physical characteristic of a subject might be or include the subject's heart rate, blood pressure, blood sugar level, posture, temperature, respiration rate, facial response or position, weight, height, galvanic skin response, pheromone emission, brain wave pattern or rhythm, odor, motion, etc., or a change in any one or more of them.

(56) **References Cited**

U.S. PATENT DOCUMENTS

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41 Claims, 8 Drawing Sheets

100



RECEIVE DATA INDICATIVE OF A PHYSICAL
 CHARACTERISTIC OF AT LEAST TWO
 SUBJECTS

102

DETERMINE AN EVALUATION OF THE
 PHYSICAL CHARACTERISTIC DATA

104

PROVIDE A NOTIFICATION OF THE
 EVALUATION TO A DEVICE

106